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3-D multi-vision display with multi section screen for theatre - has transverse and longitudinal cells to form variable multiplane screen in space
Patent Assignee: JUDENICH G I (JUDE-I); POLYPHONIC DRAMA TH (POLY-R)
Inventor: JUDENICH G I
Number of Countries: 014 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 8707173	A	19871203	WO 87500046	A	19870423	198749	B
AU 8774341	A	19871222				198813	
EP 267971	A	19880525	EP 87903478	A	19870423	198821	
JP 63503350	W	19881202	JP 87503267	A	19870423	198903	
US 4962420	A	19901009	US 88174989	A	19880115	199043	
RU 2002486	C1	19931115	SU 4076152	A	19860519	199410	
EP 267971	A4	19891102	EP 87903478	A	19870000	199508	

Priority Applications (No Type Date): SU 4076152 A 19860519
Cited Patents: FR 2323422; US 3069970; US 3192827; DE 1959337; DE 2054909; US 2383493; US 3469354; US 4252311
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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Abstract (Basic): WO 8707173 A

The display set comprises a number of cells, each of which receives its own information from a projector. Some of the screens are either turned or shifted in a given direction in the space. As a result, a variable three-dimensional screen system is formed in the space with the transverse and longitudinal cells. This provides the effect of space changing in depth with time and thus increases the psychological and emotional excitation of the displayed information for the viewers. Further effect enhancement is achieved by combining the display with the decorative attribute.

The multi-section screen comprises two longitudinal cells (2,3) and two transverse cells (4,5), whose positions are variable, to form the multi-plane system in the time-variable space. The additional longitudinal screen cells (14-16) and the transverse cells (17,18) are shifted with regard to the screen (13). The longitudinal cells (19,20) are located in the front of cells (14-16) forming an angle with respect to the latter. The display on the cells is therefore variable in time and space and provides a sensation of feeling of taking part in the displayed events as if the viewer is moved from one action field to another.

ADVANTAGE - Display provides new theatrical vision which varies in space and in time, maximising effect of viewer participation and events being shown.

Abstract (Equivalent): US 4962420 A

The video information system includes a screen (1) having at least two cells (2-5,14-16) rotatable in at least one direction and forming a three-dimensional multi-plane screen system changeable in space. Information from at least one projector is fed to two or more cells (2-5).

Video information is presented in an in-depth three-dimensionally unfolding space. The system also has the capability of producing simultaneous changes in time, and the screen system can be efficiently combined with scenergy attributes. The video information can be fed to the cells of the screen in the form of front or rear projection.

USE/ADVANTAGE - Range of psychological and emotional impact of information displayed upon audience is enlarged owing to representation of object in in-depth three-dimensionally unfolding space changing in time. (15pp)

Derwent Class: P36; P61; P82; Q71; S06; W04
International Patent Class (Main): A63J-023/00
International Patent Class (Additional): A63J-001/00; B24B-019/00; F21P-005/04; G03B-021/56; G03B-037/04; H04N-005/74; H04N-009/31

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(51) 5 A 63 J 23/00

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ОПИСАНИЕ ИЗОБРЕТЕНИЯ

К ПАТЕНТУ

(21) 4076152/12
(22) 19.05.86
(46) 15.11.93 Бюл. № 41–42
(76) Юденич Геннадий Иванович

(54) ИНФОРМАЦИОННЫЙ КОМПЛЕКС Г.И.ЮДЕНИЧА

(57) Назначение: информационный комплекс может быть использован для театрально–зрелищных представлений, для систем массового обучения и многопозиционного представления быстроменяющейся текущей информации. Сущность изобретения: информационный комплекс содержит экраны, выполненные секционными и многоплоскостными. Каждая из плоскостей каждого экрана выполнена с возможностью поворота вокруг одной из сторон и перемещения в направлении от центра комплекса к периферии, кроме того, секционные многоплоскостные экраны установлены друг за другом в несколько рядов в направлении от центра к периферии и снабжены приводными механизмами для изменения их пространственного положения. Комплекс включает проекционную аппаратуру для прямой и рир–проекции на экраны, а также программный блок для управления проекторами и механизмами изменения пространственного положения плоскостей экранов. 3 зл. ф–лы, 30 ил.

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(54) G.I. Yudenich's Information System

(57) Field of application: the information system is suitable for theater and entertainment shows, for mass educational systems and multi-positional representation of quickly changing current information. Summary of the invention: the information system comprises sectional multiplane screens. Each plane of every screen is rotatable around one of the sides and movable in the direction from the system center to its periphery, the sectional multiplane screens are arranged one after another in several rows in the direction from the center to the periphery and comprise actuators to change their spatial position. The system comprises a projection apparatus for direct and rear projection on the screens, and a program block to control projectors and mechanisms for changing the spatial position of the screen planes.